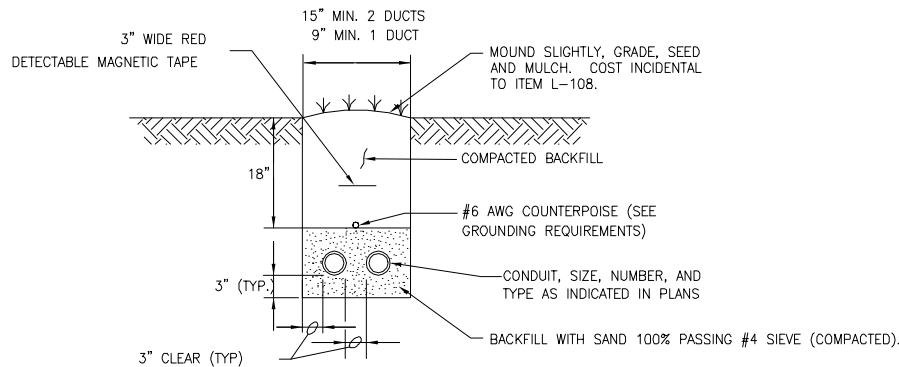


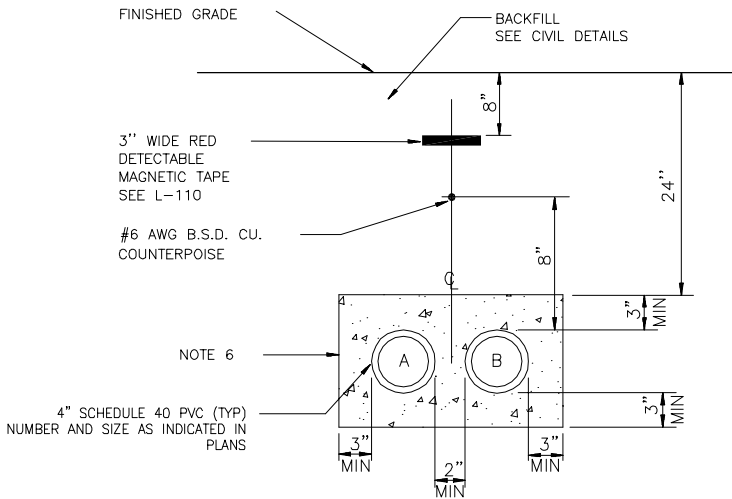
DUCT BANK NOTES:

- 1) THE #6 AWG BSD COPPER COUNTERPOISE WIRE SHALL BE CENTERED ON THE DUCT BANK.
- 2) THE MINIMUM DISTANCE BETWEEN TOP OF CONDUIT IN DUCT BANK AND COUNTERPOISE SHALL BE 3".
- 3) THE CONTRACTOR SHALL INSTALL A NYLON PULL WIRE IN EACH UNUSED DUCT OR CONDUIT INSTALLED AND PLUG OR CAP THE DUCT. THE WIRE SHALL BE SECURELY ATTACHED TO THE PLUG/CAP AT EACH END OF THE DUCT OR CONDUIT. NEW PULL WIRES SHALL BE INSTALLED IN EACH UNUSED DUCT OR CONDUIT IN DUCT BANK EXTENSIONS.
- 4) THE CONTRACTOR SHALL INSTALL A PLASTIC COATED, DETECTABLE MAGNETIC TWO (2) INCH WIDE TAPE EIGHT (8) INCHES BELOW TURF GRADE ABOVE ALL DUCTBANKS OR CONDUITS NOT INSTALLED UNDER AIRFIELD PAVEMENT.
- 5) DUCTBANKS SHALL DRAIN TOWARD THE MANHOLES WITH THE CROWN OF THE DUCT BANK MIDWAY BETWEEN MANHOLES. THE DUCT SLOPE SHALL BE 3" PER 100'.
- 6) ALL CONDUITS, DUCT AND DUCT BANKS SHOWN AS CONCRETE ENCASED SHALL BE ENCASED IN 4000 PSI CONCRETE COMPRESSIVE STRENGTH, WITH NOT LESS THAN 3" OF COVER AT TOP.



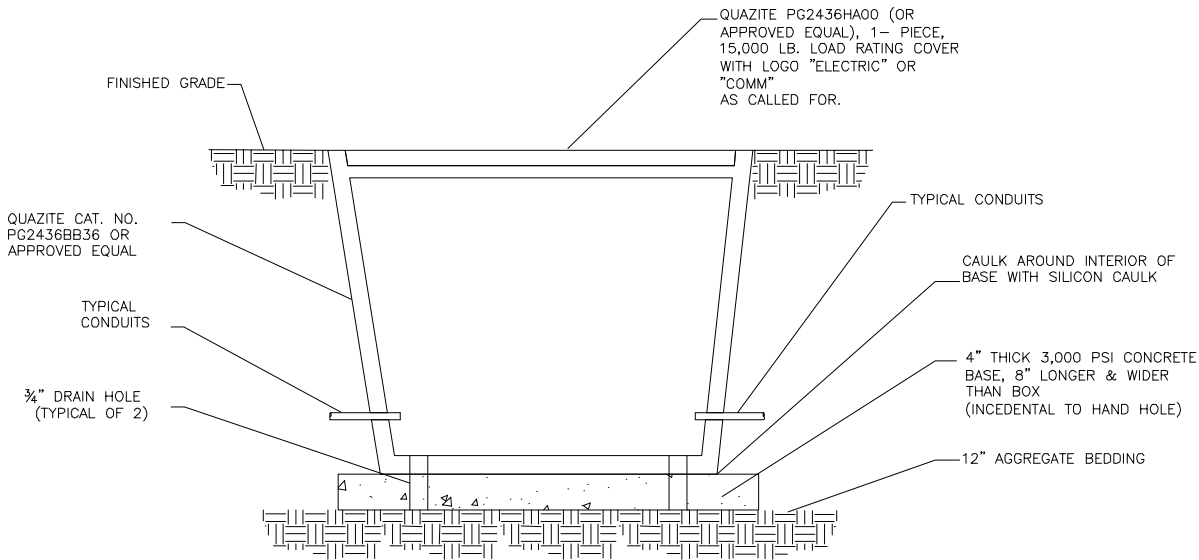
TYPICAL TRENCH AND CONDUIT
PLACEMENT DETAIL

N.T.S.



TYPICAL DUCT BANK IN PAVED AREAS

N.T.S.



ELECTRICAL HANDHOLE (IN TURF) DETAIL

N.T.S.

NOTES SITE ELECTRICAL:

- 1 NEW HAND HOLE: QUAZITE PG2436HA00, 1 PIECE, 15,000 LBS/25,000LBS LOAD RATED COVER WITH LOGO "COMMUNICATION" AND QUAZITE PG2436BB36 BOX OR EQUAL.
- 2 NEW HAND HOLE: QUAZITE PG2436HA00, 1 PIECE, 15,000 LBS/25,000LBS LOAD RATED COVER WITH LOGO "ELECTRIC" AND QUAZITE PG2436BB36 BOX OR EQUAL.



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AREA

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature *Darren K. Christopher*
Typed Name DARREN K. CHRISTOPHER
Date 08/18/2009 Reg. No. 45052

REVISIONS		
NO.	DESCRIPTION	DATE

DATE ISSUED: 08-18-2009
REVIEWED BY: MLS
DRAWN BY: JKE
DESIGNED BY: DKC

AEP PROJECT NUMBER
214-1882-077
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SHEET TITLE
ELECTRICAL
DETAILS

SHEET NUMBER
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